

segments sequentially shifted in the direction of said one diagonal and so as to be adjacent to each other[,]; and

rolling said band [shape] shaped body into a hollow cylindrical shape.

2. (amended) A stator winding according to claim 1, wherein with said wire sheaf, one end portion of opposite end portions of said respective turns which are located in [the] a direction of another diagonal of said rhombic shape orthogonal to the direction of said one diagonal is wound from an inner peripheral side of said hollow cylindrical body to an outer peripheral side thereof, and another end portion of said opposite end portions of said respective turns, is wound from the outer peripheral side of said hollow cylindrical body to the inner peripheral side thereof.

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3. (amended) A stator winding according to [either one of] claim 1 [and claim 2], wherein with said respective turns, opposite end portions which are located in [the] a direction of another diagonal of said rhombic shape orthogonal to the direction of said one diagonal, have bent back portions which proceed so as to project towards an outside of said turn, and then return back in an [approximate] approximately U-shape and proceed so as to return towards an inside of said turn.

4. (amended) A stator winding according to [any one of] claim 1 [through claim 3], wherein said respective turns are arranged [in a condition] touching adjacent ones of said turns.

5. (amended) A stator winding according to [any one of] claim 2 [1 through claim 4], wherein of the four sides of said [approximate] approximately rhombic [shape] shaped coil segments, two said sides located on one side of said other diagonal of said rhombic shape are arranged on an inner peripheral side of said hollow cylindrical body, and the other two said sides opposite to the two said sides located on said one side are arranged on an outer peripheral side

6 of said hollow cylindrical body.

1 6. (amended) A stator winding according to claim 5, wherein the two sides of the coil  
2 segment which are arranged on the inner peripheral side of said hollow cylindrical body are  
3 abutted in the circumferential direction against said two sides which are arranged on the inner  
peripheral side of the [adjacent] coil segment adjacent thereto.

7. (amended) A stator winding according to [any one of claim 2 through] claim [6] 3,  
2 wherein said bent back portions are bent from the inner peripheral side of said hollow cylindrical  
3 body towards the outer peripheral side thereof, or from the outer peripheral side of said hollow  
4 cylindrical body towards the inner peripheral side thereof.

Claim 8, line 1, delete "any one of"; delete "through claim 7";

line 3, change "shape" to --shaped--.

Claim 9, line 1, delete "any one of"; delete "through claim 8";

line 2, change "shape" to --shaped--.

Claim 10, line 1, delete "any one of"; delete "through claim 9";

line 3, after "contacted" insert --together--.

1 11. (amended) A method of manufacturing a stator winding [wherein with a method of  
2 manufacturing a stator winding used] for use in a rotating electric machine having a slotless  
3 stator, [which incorporates] said method comprising:

4 a turn forming step for forming turns by winding a wire sheaf of a plurality of fine wires  
5 composed of conductors bundled together, through one turn in an [approximate] approximately  
6 rhombic shape;

7 a coil segment forming step for forming approximately rhombic shaped coil segments

8 comprising a continuous length of said wire sheaf by winding and arranging a plurality of said  
9 turns so as to be sequentially shifted continuously in [the] a direction of one diagonal of said  
10 rhombic shape; and

11 a hollow cylindrical body forming step for forming a band [shape] shaped body using a  
12 plurality of said coil segments by overlapping these coil segments so as to be sequentially shifted  
13 in the direction of said one diagonal and adjacent to each other, and rolling said band [shape]  
14 shaped body into a hollow cylindrical shape,

15 said turn forming step includes a step where, with said wire sheaf, one end portion of  
16 opposite end portions of said respective turns which are located in [the] a direction of another  
17 diagonal orthogonal to the direction of said one diagonal is wound from an inner peripheral side  
18 of said hollow cylindrical body to an outer peripheral side thereof, and another end portion of  
19 said opposite end portions of said respective turns, is wound from the outer peripheral side of said  
20 hollow cylindrical body to the inner peripheral side thereof. *Revised*

1 12. (amended) A method of manufacturing a stator winding according to claim 11,  
2 wherein said turn forming step [incorporates] further includes a bent back portion forming step  
3 for forming bent back portions at said opposite end portions of said respective turns which are  
4 located in the direction of the other diagonal orthogonal to the direction of said one diagonal,  
5 [which] such that each said bent back portion proceeds so as to project towards an outside of said  
6 turn, and then returns back in an [approximate] approximately U-shape and proceed so as to  
7 return towards an inside of said turn.

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Claim 13, line 1, delete "either one of";

line 2, delete "and claim 12";

line 3, before the period insert --together--.

1 14. (amended) A method of manufacturing a stator winding according to claim 13,  
a' 2 [wherein] further including, prior to said press step [there is provided], a step [for] of twisting  
3 said wire sheaf at least one turn in a helical form within a range of one side of said [approximate]  
4 approximately rhombic [shape] shaped turn.

Claim 15, line 1, delete "either one of";

line 2, delete "and claim 14".

Please add the following new claims.

1 16. (new) A stator winding according to claim 2, wherein with said respective turns,  
2 opposite end portions which are located in a direction of another diagonal of said rhombic shape  
3 orthogonal to the direction of said one diagonal, have bent back portions which proceed so as to  
a' 4 project towards an outside of said turn, and then return back in an approximately U-shape and  
5 proceed so as to return towards an inside of said turn.

1 17. (new) A stator winding according to claim 3, wherein of the four sides of said  
2 approximately rhombic shaped coil segments, two said sides located on one side of said other  
3 diagonal of said rhombic shape are arranged on an inner peripheral side of said hollow cylindrical  
4 body, and the other two said sides opposite to the two said sides located on said one side are  
5 arranged on an outer peripheral side of said hollow cylindrical body.

1 18. (new) A stator winding for use in a rotating electric machine having a slotless stator,  
2 comprising a band shaped body of a plurality of coil segments rolled into a hollow cylindrical  
3 shape, wherein:

4 each of said coil segments is approximately rhombic shaped and includes a continuous

length of a wire sheaf wound and arranged into a plurality of turns which are sequentially shifted continuously in a direction of one diagonal of said rhombic shape;

each of said turns is also approximately rhombic shaped;

said wire sheaf includes a plurality of fine wires composed of conductors bundled together; and

said plurality of said coil segments of said band shaped body are sequentially shifted in the direction of said one diagonal and so as to be adjacent to each other.

19. (new) A stator winding according to claim 18, wherein with said wire sheaf, one end portion of opposite end portions of respective ones of said turns which are located in a direction of another diagonal of said rhombic shape orthogonal to the direction of said one diagonal is wound from an inner peripheral side of said hollow cylindrical body to an outer peripheral side thereof, and another end portion of said opposite end portions of said respective turns, is wound from the outer peripheral side of said hollow cylindrical body to the inner peripheral side thereof.

20. (new) A stator winding according to claim 18, wherein with respective ones of said turns, opposite end portions thereof which are located in a direction of another diagonal of said rhombic shape orthogonal to the direction of said one diagonal, have bent back portions which proceed so as to project towards an outside of said turn, and then return back in an approximately U-shape and proceed so as to return towards an inside of said turn.

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IN THE ABSTRACT:

Line 2, change "To provide a" to --A--;

Lines 2-3, change ", then with a stator winding," to --includes--;

Line 4, change "approximate" to --approximately--; before "are" insert --wherein the